

ABSTRACT

An impact driver for driving elongate objects into a body, the impact driver comprising of a chassis, a ram supported by the chassis in a manner allowing rectilinear movement of the ram relative to the chassis between two limits, a
5 linear induction motor having a stator mounted to the chassis and positioned to operatively interact with a linear induction motor reaction means being of a conductive metal material, the reaction means carried by the ram in a manner to allow the ram to oscillate between the two limits by the stator of the linear induction motor, a first limit being a retracted position and a second limit being
10 an impact position to which the ram is accelerated from the retracted condition by the stator and at which the ram imparts an impact force on the elongate object in the elongate direction thereof.